



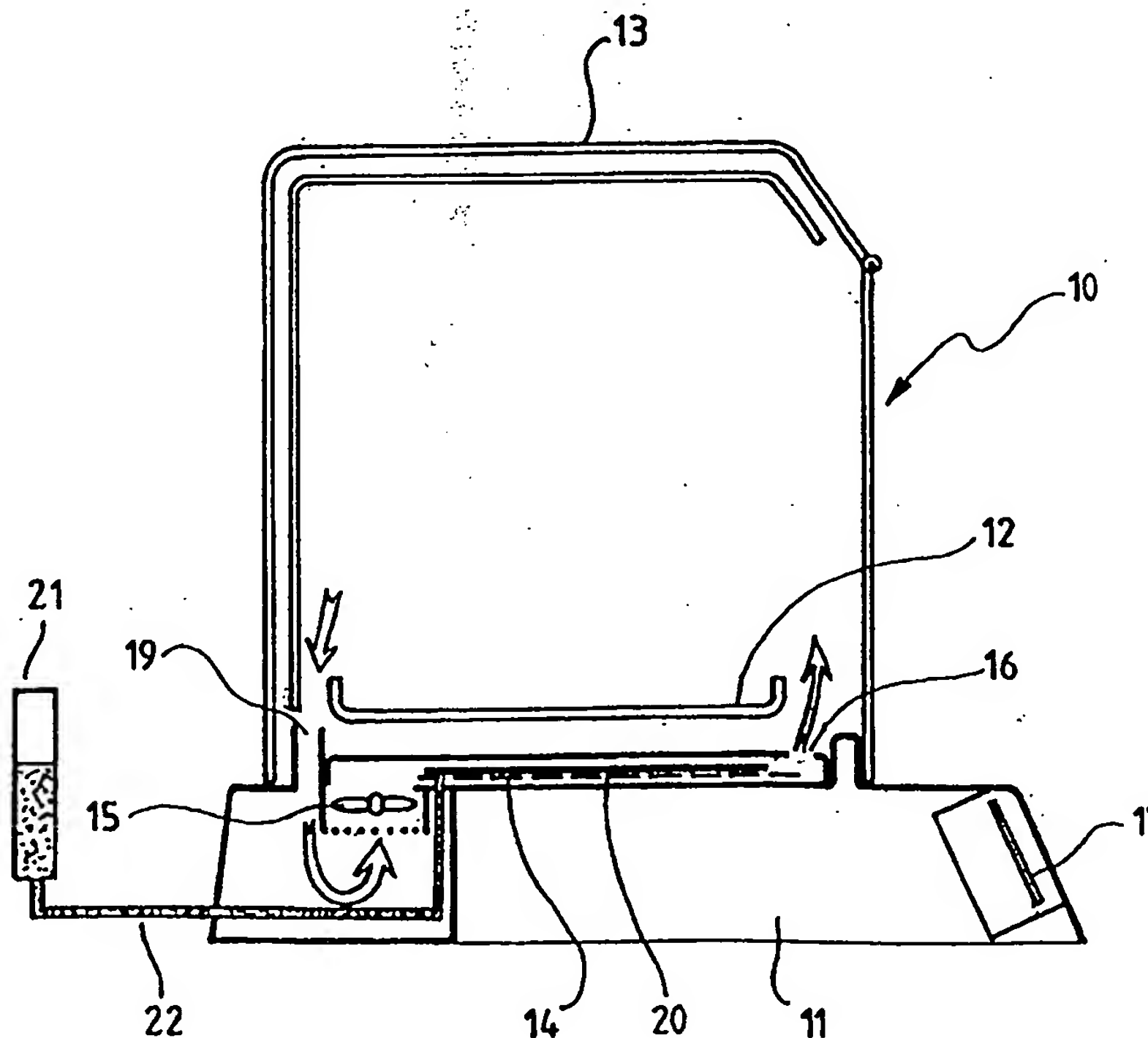
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: PCT/AU98/00294 (22) International Filing Date: 24 April 1998 (24.04.98) (30) Priority Data: PO 6391 24 April 1997 (24.04.97) AU (71) Applicant (for all designated States except US): THE UNIVERSITY OF QUEENSLAND [AU/AU]; St. Lucia, QLD 4067 (AU). (72) Inventor; and (75) Inventor/Applicant (for US only): WILSON, Stephen, James [AU/AU]; 35 Glanasmond Avenue, Camp Hill, QLD 4052 (AU). (74) Agent: CULLEN & CO.; Level 12, 240 Queen Street, Brisbane, QLD 4000 (AU).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report.

(54) Title: INFANT INCUBATOR


(57) Abstract

An infant incubator (10) is formed by a canopy (13) placed on a base (11) to define a chamber therebetween. In use, an infant is placed on a platform (12) on top of the base (11) in the chamber. A fan (15) blows air over a generally flat heating element (14). The warmed airflow is introduced into the chamber and recirculated to the fan (15). The flat heating element (14) provides uniform and distributed heating of the airflow, as well as heating of the underside of the platform (12) on which the infant is placed. A control circuit (17) monitors temperature within the chamber, and controls the heating element (14) accordingly.



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respuestas

 Pág. inicio
OEPM

1-50 51-59

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33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

Documento 47-

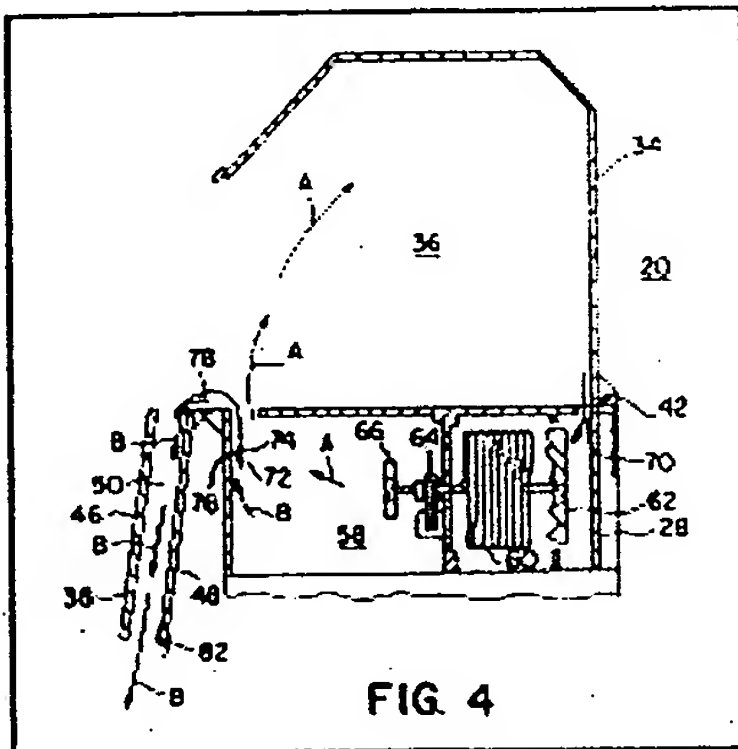


FIG. 4

Clasif.Principal A61G11/00

Título PUERTA DE ACCESO ABIERTA CALENTADA PARA UNA
INCUBADORA

Resumen SE DESCRIBE UNA INCUBADORA PARA INFANTES QUE PRESENTA
UN COMPARTIMENTO PARA INFANTES (36) QUE CONTIENE EL
INFANTE, Y QUE ESTA AJUSTADO A UNA TEMPERATURA
DESEADA POR ENCIMA DE LA AMBIENTAL POR EL USUARIO. LA
INCUBADORA PRESENTA AL MENOS UNA PUERTA DE ACCESO
(38) QUE SE ABRE PARA PERMITIR QUE EL CUIDADOR LLEVE A
CABO UNA INTERVENCION SOBRE EL INFANTE, Y QUE ESTA
CALENTADA ACTIVAMENTE CUANDO SE ENCUENTRA EN LA
POSICION ABIERTA, POR EJEMPLO DE FORMA ELECTRICA O
MEDIANTE UN FLUJO DE AIRE CALENTADO QUE PASA A TRAVES
DE UN CONDUCTO (50) DENTRO DE LA PUERTA (38). POR TANTO,
CUANDO SE VUELVE A CERRAR LA PUERTA DE ACCESO, LA
PUERTA SE ENCUENTRA A UNA ELEVADA TEMPERATURA CON
RESPECTO A LA AMBIENTAL, Y ESTO SIGNIFICA QUE SE
NECESITA MENOS ENERGIA DE CALENTAMIENTO PARA
DEVOLVER LA TEMPERATURA DESEADA AL COMPARTIMENTO
DEL INFANTE (36).

Solicitante DATEX-OHMEDA, INC.

Direc. Soli. 3 HIGHWOOD DRIVE, TEWSBURY, MASSACHUSETTS 01876

Nac.Solicitante US

Inventor HODGE, COLIN G.
DYKES, CHRISTOPHER A.

Nac.Inventor US

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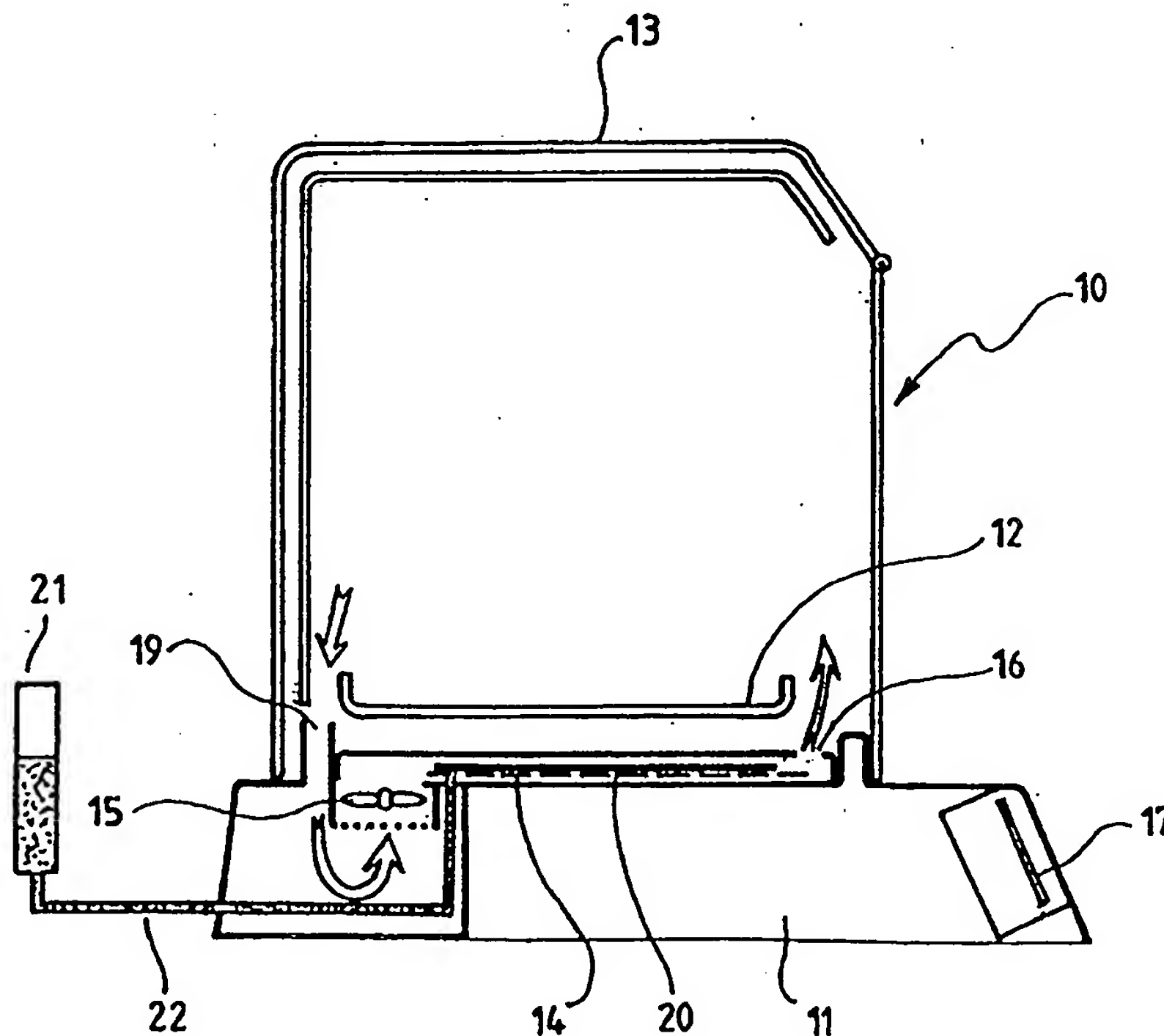
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An infant incubator (10) is formed by a canopy (13) placed on a base (11) to define a chamber therebetween. In use, an infant is placed on a platform (12) on top of the base (11) in the chamber. A fan (15) blows air over a generally flat heating element (14). The warmed airflow is introduced into the chamber and recirculated to the fan (15). The flat heating element (14) provides uniform and distributed heating of the airflow, as well as heating of the underside of the platform (12) on which the infant is placed. A control circuit (17) monitors temperature within the chamber, and controls the heating element (14) accordingly.



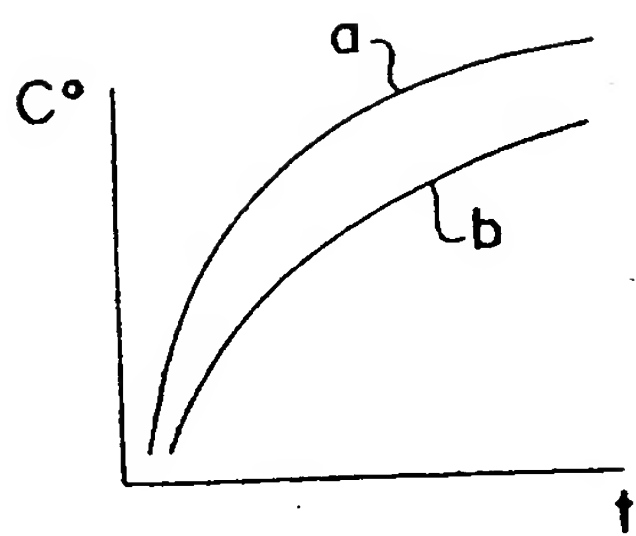


FIG. 3A

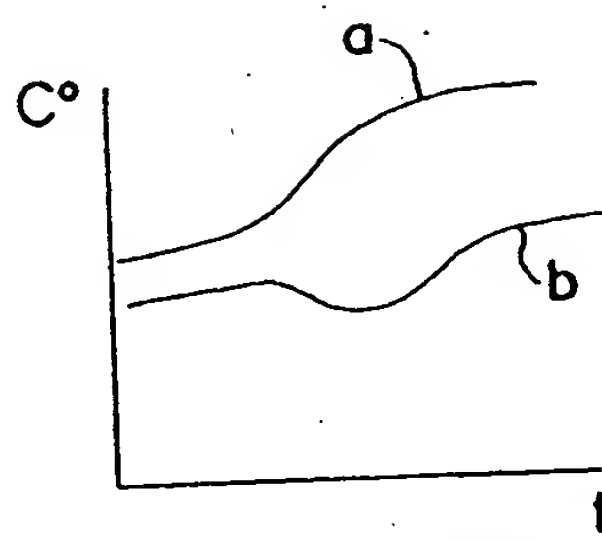


FIG. 3D

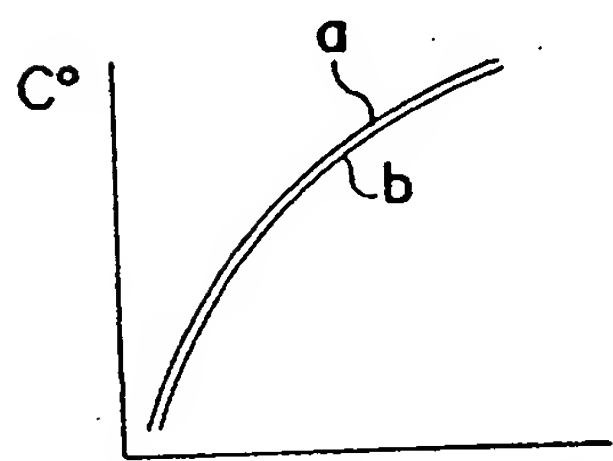


FIG. 3B

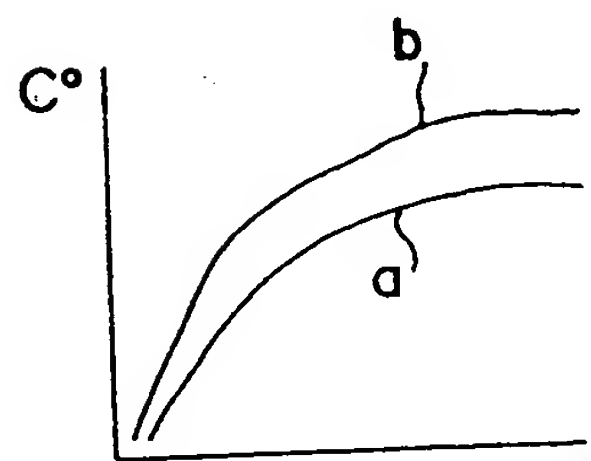


FIG. 3E

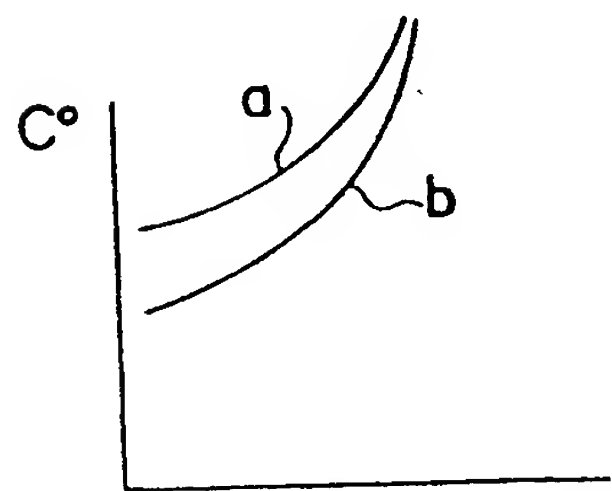


FIG. 3C

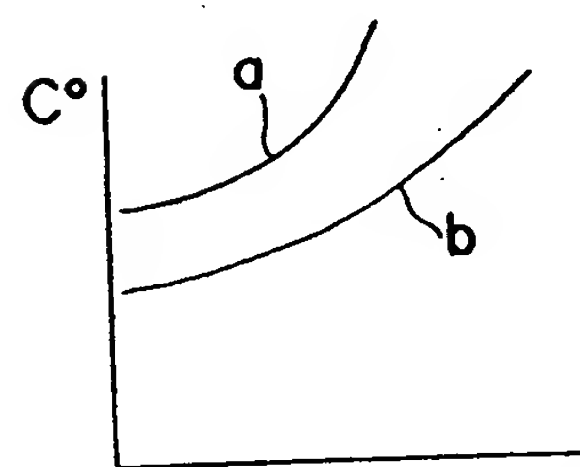


FIG. 3F

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